

NCTM Content Standards Assessment Rubric

Data Analysis & Probability – Drill Sheets

Student's Name: _____ Assignment: _____ Level: _____

| | Level 1 | Level 2 | Level 3 | Level 4 |
|--|---|---|--|--|
| Formulate questions that can be addressed with data and collect, organize, and display relevant data to answer them | <ul style="list-style-type: none"> Demonstrates a limited ability to formulate questions that can be addressed with data and collect, organize, and display relevant data to answer them | <ul style="list-style-type: none"> Demonstrates a basic ability to formulate questions that can be addressed with data and collect, organize, and display relevant data to answer them | <ul style="list-style-type: none"> Demonstrates a good ability to formulate questions that can be addressed with data and collect, organize, and display relevant data to answer them | <ul style="list-style-type: none"> Demonstrates a thorough ability to formulate questions that can be addressed with data and collect, organize, and display relevant data to answer them |
| Select and use appropriate statistical methods to analyze data | <ul style="list-style-type: none"> Demonstrates a limited ability to select and use appropriate statistical methods to analyze data | <ul style="list-style-type: none"> Demonstrates a basic ability to select and use appropriate statistical methods to analyze data | <ul style="list-style-type: none"> Demonstrates a good ability to select and use appropriate statistical methods to analyze data | <ul style="list-style-type: none"> Demonstrates a thorough ability to select and use appropriate statistical methods to analyze data |
| Develop and evaluate inferences and predictions that are based on data | <ul style="list-style-type: none"> Demonstrates a limited ability to develop and evaluate inferences and predictions that are based on data | <ul style="list-style-type: none"> Demonstrates a basic ability to develop and evaluate inferences and predictions that are based on data | <ul style="list-style-type: none"> Demonstrates a good ability to develop and evaluate inferences and predictions that are based on data | <ul style="list-style-type: none"> Demonstrates a thorough ability to develop and evaluate inferences and predictions that are based on data |

STRENGTHS:

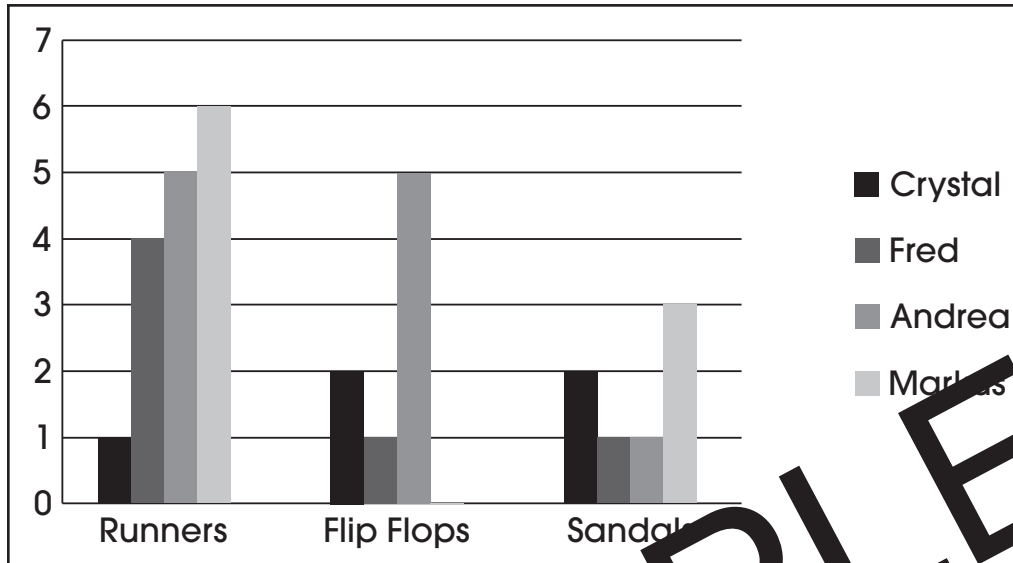
WEAKNESSES:

NEXT STEPS:

NAME: _____



15a) The chart below shows how many types of shoes each student owns.

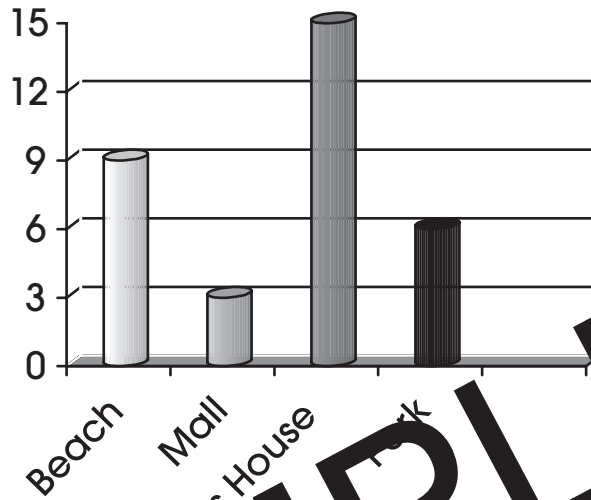


1. How many flip flops does Fred have? _____
2. How many runners does Andrea have? _____
3. How many sandals does Crystal have? _____
4. What type of shoe does Markus own the most? _____
5. What type of shoe does Markus not own? _____
6. Which shoe did both Fred and Markus own the most? _____
7. Which shoe did Fred and Andrea own the least? _____
8. How many total runners do these four students own? _____
9. How many total flip flops do these four students own? _____
10. How many total sandals do these four students own? _____



Review C

a) The chart below shows the different favorite places the students of Mr. Sorenson's class like to spend time.



SAMPLE

1. What was the favorite place to spend time? _____
2. What was the least favorite place to spend time? _____
3. How many students took this survey? _____
4. How many students chose the beach? _____
5. How many students chose the mall? _____
6. How many students chose their friend's house? _____
7. How many students chose the park? _____
8. How many more students chose the beach than the mall? _____
9. How many more students chose their friend's house than the park? _____
10. Suppose another student was added to this chart. What would his or her favorite place most likely be? _____

Always, Sometimes, Never

Always means it happens all the time. Sometimes means it happens often. Never means it does not happen. In the chart below, make a list of items you will always see in school in the first column. List the items you will sometimes see in school in the second column. List the items you will never see in school in the third column.

| Always | Sometimes | Never |
|---------------|-----------|-------|
| SAMPLE | | |